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Medical Imaging, IEEE Transactions on , Volume: 21 , Issue: 9 , Sept. 2002

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4. ☐ **Time continuous segmentation of cardiac MR images using Active Appearance Motion Models • ARTICLE**  
*International Congress Series, Volume 1230, June 2001, Pages 961-966*  
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Lauro Cortigiani, Eugenio Picano, Carlo Vigna, Fabio Lattanzi, Claudio Coletta, Egidio Mariotti, Riccardo Bigi and on behalf of the EPIC (Echo Persantine International Cooperative) and EDIC (Echo Dobutamine International Cooperative) Study Groups  
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Jeffrey Lieberman, Miranda Chakos, Huwei Wu, Jose Alvir, Elaine Hoffman, Delbert Robinson and Robert Bilder  
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9. ☐ **An MRI study of temporal lobe structures in men with bipolar disorder or schizophrenia** • ARTICLE  
*Biological Psychiatry*, Volume 48, Issue 2, 15 July 2000, Pages 147-162  
Lori L. Altshuler, George Bartzokis, Tom Grieder, John Curran, Tanya Jimenez, Kristin Leight, Jeffery Wilkins, Robert Gerner and Jim Mintz  
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*The American Journal of Cardiology*, Volume 84, Issue 10, 15 November 1999, Pages 1170-1175  
Todd D. Miller, Timothy F. Christian, David O. Hodge, Mona R. Hopfenspirger, Bernard J. Gersh and Raymond J. Gibbons  
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Larry J. Seidman, Stephen V. Faraone, Jill M. Goldstein, Julie M. Goodman, William S. Kremen, Rosemary Toomey, Jason Tourville, David Kennedy, Nikos Makris, Verne S. Caviness and Ming T. Tsuang  
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*Journal of the American College of Cardiology, Volume 33, Issue 7, June 1999, Pages 2092-2197*  
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25. ☐ **Left Atrial Size in Hypertensive Men: Influence of Obesity, Race and Age • ARTICLE**  
*Journal of the American College of Cardiology, Volume 29, Issue 3, 1 March 1997, Pages 651-658*  
John S. Gottdiener, MD, FACC, Domenic J. Reda, MS, David W. Williams, MS and Barry J. Materson, MD, for the Department of Veterans Affairs Cooperative Study Group on Antihypertensive Agents  
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Timothy R. DeGrado, Michael W. Hanson, Timothy G. Turkington, David M. Delong, Damian A. Brezinski, Jean-Paul Vallée, Laurence W. Hedlund, Jian Zhang, Frederick Cobb, Martin J. Sullivan and R. Edward Coleman  
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John E. Stuhlmuller, David J. Skorton, Trudy L. urns, Hewlett E. Melton, Jr. and yron F. Vandenberg

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Hisanobu Kaiya  
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Ibraim M. F. Pinto , William H. Kou , Mark J. McGillem , Scott F. DeBoe , Judith K. Mickelson and G. B. John Mancini  
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Gary R. Morrow and Patricia L. Dobkin



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52. ☐ **A comparison of traditional wall motion assessment and quantitative shape analysis: A new method for characterizing left ventricular function in humans • ARTICLE**  
*American Heart Journal, Volume 114, Issue 5, November 1987, Pages 1183-1191*  
G. B. John Mancini, Scott F. DeBoe, Edward Anselmo and Michael T. LeFree  
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53. ☐ **Effects of exercise tolerance, age, and gender on the specificity of radionuclide angiography: Sequential ejection fraction analysis during multistage exercise • ARTICLE**  
*American Heart Journal, Volume 113, Issue 5, May 1987, Pages 1180-1189*  
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Eric Hollander, Richard C. Mohs and Kenneth L. Davis  
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55. ☐ **Exercise radionuclide ventriculography in evaluation of coronary artery disease • ARTICLE**  
*American Heart Journal, Volume 112, Issue 3, September 1986, Pages 582-588*  
Ian P. Clements, Alan R. Zinsmeister, Raymond J. Gibbons, Manuel L. Brown and James H. Chesebro  
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*Magnetic Resonance Imaging, Volume 4, Issue 6, 1986, Pages 473-478*  
Cam F. Campbell, Gerald A. Pearson, Steve M. Collins and David J. Skorton  
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*The American Journal of Cardiology, Volume 48, Issue 3, September 1981, Pages 479-486*  
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**1. Amelioration of cholinergic neuron atrophy and spatial memory impairment in aged rats by nerve growth factor**

W. Fischer, K. Victorin, A. Björklund, L. R. Williams, S. Varon, F. H. Gage

**SUMMARY:** In aged rodents, impairments in learning and memory have been associated with an age-dependent decline in forebrain of cholinergic function<sup>1</sup>, and recent evidence indicates...

**CONTEXT:** ...experimental (n = 11) and a control (w = 13) group. Cannulae attached to modified Alzet **Model** 2002 mini-osmotic pumps were implanted into the lateral **ventricle** in all experimental rats, and in half the control rats, as described in.....

*Nature* **329**, 65 - 68 (03 Sep 1987) Letters to Editor (from the Nature Archive: January 1987 - December 1996)

[Abstract](#) | [PDF](#)

**2. Adenovirus-mediated ex vivo gene transfer of basic fibroblast growth factor promotes collateral development in a rabbit model of hind limb ischemia**

N Ohara, H Koyama, T Miyata, H Hamada, S-I Miyatake, M Akimoto, H Shigematsu

**SUMMARY:** Adenovirus-mediated ex vivo gene transfer of basic fibroblast growth factor (bFGF), a new strategy for the treatment of chronic vascular occlusive disease, was examined...

**CONTEXT:** ...extremities. In this study, we developed an alternative strategy for gene transfer to ischemic limb tissue in a rabbit **model**. One distinct feature of the strategy was that the angiogenic growth factor gene was introduced into.....

*Gene Therapy* **8**, 837 - 845 (01 Jun 2001) Research Article

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**3. PET Measures of Amphetamine-Induced Dopamine Release in Ventral versus Dorsal Striatum**

Wayne C Drevets, Julie C Price, David J Kupfer, Paul E Kinahan, Brian Lopresti, Daniel Holt, Chester Mathis

**SUMMARY:** Regional differences in dextroamphetamine (AMPH)-induced dopamine (DA) release in the baboon striatum were assessed using positron emission tomographic (PET) measures of [<sup>11</sup>C]raclopride specific binding...

**CONTEXT:** ...using neuroimaging techniques. Improvements in the spatial resolution of PET scanners and development of PET-MRI **image** coregistration methods permit close approximation of these probe positions using PET measures (Black et al.....)

*Neuropsychopharmacology* **21**, 694 - 709 (01 Dec 1999) Original Article

[Abstract](#) | [Full Text](#) | [PDF](#)

**4. Brain studies of mouse models for neurogenetic disorders using in vivo magnetic resonance imaging (MRI)**

R Frank Kooy, Marleen Verhoye, Vance Lemmon, Annemie Van Der Linden

**SUMMARY:** Magnetic resonance imaging (MRI) is a technique commonly used to detect neural abnormalities in routine clinical practice. It is perhaps less well known that...

**CONTEXT:** ...of protons (<sup>1</sup>H), primarily in water, a digital **image** is obtained which reflects the spatial distribution of <sup>1</sup>H in the object. By choosing an appropriate pulse sequence, the intensity of an MR **image** can be made to reflect one or more.....

*European Journal of Human Genetics* **9**, 153 - 159 (08 Mar 2001) Original Article

[Abstract](#) | [PDF](#)

**5. The mahogany protein is a receptor involved in suppression of obesity**

Deborah L. Nagle, Sonja H. McGrail, James Vitale, Elizabeth A. Woolf, Barry J. Dussault, Lisa DiRocco, Lisa Holmgren, Jill Montagno, Peer Bork, Dennis Huszar, Victoria Fairchild-Huntress, Pei Ge, John Keilty, Chris Ebeling, Linda Baldini, Julie Gilchrist, Paul Burn, George A. Carlson, Karen J. Moore

**SUMMARY:** Genetic studies have shown that mutations within the mahogany locus suppress the pleiotropic phenotypes, including obesity, of the agouti-lethal-yellow mutant. Here we identify the...

gn f c n ffe ence n e gh g e e n h n h e

the same trends, although there was no **statistical** significance between any of the mice on either diet. To identify the mg gene we undertook a positional.....

*Nature* **398**, 148 - 152 (11 Mar 1999) Letters to Nature

[Abstract](#) | [Full Text](#) | [PDF](#)

**6. Metallothionein Inhibits Myocardial Apoptosis in Copper-Deficient Mice: Role of Atrial Natriuretic Peptide**

Y. James Kang, Zhan-Xiang Zhou, Huiyun Wu, Guang-Wu Wang, Jack T. Saari, Jon B. Klein

**SUMMARY:** Dietary copper restriction causes heart hypertrophy in animal models. Several studies have indicated that this cardiomyopathy is mediated by oxidative stress.

Metallothionein (MT), a...

**CONTEXT:** ...various stress conditions (Sato and Bremner, 1993). Using the cardiac-specific, MT-overexpressing, transgenic mouse **model**, we have demonstrated that MT elevation makes the heart highly resistant to oxidative injury by adriamycin, an.....

*Laboratory Investigation* **80**, 745 - 757 (01 May 2000) Article

[Abstract](#) | [Full Text](#) | [PDF](#)

**7. Acute effect of clonidine on left ventricular pressure-volume relation in hypertensive patients with diastolic heart dysfunction**

C Stefanadis, A Manolis, J Dernellis, C Tsioufis, E Tsiamis, I Gavras, H Gavras, P Toutouzas

**SUMMARY:** We sought to assess the haemodynamic effects of clonidine on left ventricular (LV) pressure-volume relation in patients with diastolic heart dysfunction due to essential...

**CONTEXT:** ...All patients received 10000 U of intravenous heparin before catheterisation. A 7 F Millar double-tip micromanometer (**Model** 804-8169, pigtail), with the sensors 7 cm apart, was used for pressure measurements. The transducers were.....

*Journal of Human Hypertension* **15**, 635 - 642 (31 Aug 2001) Original Article

[Abstract](#) | [PDF](#)

**8. Atrophic and Static (Neurodevelopmental) Schizophrenic Psychoses: Premorbid Functioning, Symptoms and Neuroleptic Response**

David L Garver, Thamilarasi R Nair, James D Christensen, Jennifer Holcomb, Jane Ramberg, Steven Kingsbury

**SUMMARY:** The question of whether schizophrenic-like disorders are neurodevelopmental or degenerative in origin has been argued since the time of Kraepelin. The authors provide evidence...

**CONTEXT:** ...two groups of patients with respect to rate of ventricular change (Nair et al. 1997; Knoll et al. 1998); (2) changing **ventricle** patients would have a "delayed" response to neuroleptics (Kaplan et al. 1990); (3) there would be a.....

*Neuropsychopharmacology* **21**, 82 - 92 (01 Jul 1999) Original Article

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**9. Correlation between structural and functional changes in brain in an idiopathic headache syndrome**

A. May, J. Ashburner, C. Büchel, D.J. McGonigle, K.J. Friston, R.S.J. Frackowiak, P.J. Goadsby

**SUMMARY:** Fundamental to the concept of idiopathic or primary headache, including migraine, tension-type headache and cluster headache, is the currently accepted view that these conditions...

**CONTEXT:** ...compared with the control group. This structural difference was bilateral in the diencephalon, adjacent to the third **ventricle** and rostral to the aqueduct, coinciding with the inferior posterior hypothalamus. In terms of the.....

*Nature Medicine* **5**, 836 - 838 (01 Jul 1999) Article

[Full Text](#) | [PDF](#)

**10. Induction of activin A is essential for the neuroprotective action of basic fibroblast growth factor in vivo**

Yvonne P. Tretter, Moritz Hertel, Barbara Munz, Gerrit ten Bruggencate, Sabine Werner, Christian Alzheimer

**SUMMARY:** Exogenous application of neurotrophic growth factors has emerged as a new and particularly promising approach not only to promote functional recovery after acute brain...

**CONTEXT:** ...differences among the three groups of mice ( $P > 0.05$ ). Activin A mRNA is strongly upregulated in this lesion **model**. As none of the potential dimerization partners of the A chain were induced (the B or chains), A mRNA most likely.....

*Nature Medicine* **6**, 812 - 815 (01 Jul 2000) Article

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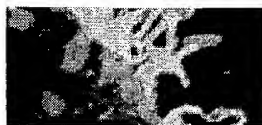
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**11. Correlation between structural and functional changes in brain in an idiopathic headache syndrome**

A. May, J. Ashburner, C. Büchel, D.J. McGonigle, K.J. Friston, R.S.J. Frackowiak, P.J. Goads

**SUMMARY:** Fundamental to the concept of idiopathic or primary headache, including migraine, tension-type headache and cluster headache, is the currently accepted view th these conditions...

**CONTEXT:** ...compared with the control group. This structural difference was bilateral in the diencephalon, adjacent to the third **ventricle** and rostral to the aqueduct, coinciding with the inferior posterior hypothalamus. In terms of the.....

*Nature Medicine* **5**, 836 - 838 (01 Jul 1999) Article

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**12. Right atrial function in hypertensive patients: effects of antihypertensive therapy**

J Dernellis

**SUMMARY:** Objectives: The effects (16 weeks) of oral antihypertensive drugs on right atrial (RA) function were evaluated by two-dimensional and Doppler echocardiography in 64 patients...

**CONTEXT:** ...in left ventricular function. Left ventricular hypertrophy is associated with enhanced performance of either **ventricle**. In coincidence with development of severe le ventricular hypertrophy and diastolic dysfunction, the.....

*Journal of Human Hypertension* **15**, 463 - 470 (20 Jun 2001) Original Article

[Abstract](#) | [PDF](#)

**13. Rho GTPases regulate distinct aspects of dendritic arbor growth in *Xenopus* central neurons in vivo**

Zheng Li, Linda Van Aelst, Hollis T. Cline

**SUMMARY:** The development and structural plasticity of dendritic arbors are governed b several factors, including synaptic activity, neurotrophins and other growth-regulating molecules. The signal transduction...

**CONTEXT:** ...for the myc-tagged GTPases showed that after injection of high-titer virus, most tectal cells near the brain **ventricle** were infected (Fig. 1a). Neurons in this region were DiI labeled for imaging experiments described below.....

*Nature Neuroscience* **3**, 217 - 225 (01 Mar 2000) Article

[Full Text](#) | [PDF](#)

**14. Neurodevelopmental effects of the FMR-1 full mutation in humans**

Allan L. Reiss, Michael T. Abrams, Ronald Greenlaw, Lisa Freund, Martha B. Denckla

**SUMMARY:** Brain dysfunction is the most important sequelae of the fragile X (FMR-1) mutation, the most common heritable cause of developmental disability. Using magnetic resonance...

**CONTEXT:** ...70.36 69.02 -1.9 Lt. Cerebellar Hemisphere 68.79 68.05 -1.1 Brainstem 25.62 25.24 -1.5 Fourth **Ventricle** 1.81 3.40 +87.8 Third **Ventricle** 0.44 0.51 +15.8 Temporal Lobe Volumes (cm3) Amygdala 3.51 4.78 +36.2 Hippocampus 6.74 6.24 - 7.4.....

*Nature Medicine* **1**, 159 - 167 (01 Feb 1995) Article

[PDF](#)

**15. A mouse model for mitochondrial myopathy and cardiomyopathy resulting from a deficiency in the heart/muscle isoform of the adenine nucleotide translocator**

Brett H. Graham, Katrina G. Waymire, Barbara Cottrell, Ian A. Trounce, Grant R. MacGregor, Douglas C. Wallace

**SUMMARY:** In an attempt to create an animal model of tissue-specific mitochondrial disease, we generated 'knockout' mice deficient in the heart/muscle isoform of the...

**CONTEXT:** ...are indicated on the diagram of the normal and mutant alleles above the ge **image**. The deduced genotype of each mouse is shown above the lanes present in the ge **image**, c X-Gal-stained heterozygous Antl-geo embryo at 11.5 days'.....

*Nature Genetics* **16**, 226 - 234 (01 Jul 1997) Article

**16. Adenoviral gene transfer of basic fibroblast growth factor promotes angiogenesis in rat brain**

H Yukawa, J C Takahashi, S-I Miyatake, M Saiki, N Matsuoka, M Akimoto, H Yanamoto, I Nagata, H Kikuchi, N Hashimoto

**SUMMARY:** Cerebral ischemic disease often causes morbidity and mortality, while the induction of new blood vessels is expected to provide a therapeutic effect in this...

**CONTEXT:** ...a stereotactic injection of viral suspension, or phosphate-buffered saline (PBS) as a control, into the right lateral **ventricle**.<sup>19</sup> To evaluate the effectiveness of the in vivo gene transfer, the animals were killed and their brains.....

*Gene Therapy* **7**, 942 - 949 (02 Jun 2000) Original Article

[Abstract](#) | [Full Text](#) | [PDF](#)

**17. Functional recovery in parkinsonian monkeys treated with GDNF**

Don M. Gash, Zhiming Zhang, Aliza Ovadia, Wayne A. Cass, Ai Yi, Linda Simmerman, Debora Russell, David Martin, Paul A. Lapchak, Frank Collins, Barry J. Hoffer, Greg A. Gerhard

**SUMMARY:** PARKINSON 's disease results from the progressive degeneration of dopamin neurons that innervate the striatum<sup>1,2</sup>. In rodents, glial-cell-line-derived neurotrophic factor (GDNF) stimulates an increase...

**CONTEXT:** ...GDNF ICV. Each of the animals treated with vehicle and trophic factor received three injections into the right lateral **ventricle** spaced at least 4 weeks apart. In recipients of 100 ug and of 450 ug GDNF, the behavioural effects were.....

*Nature* **380**, 252 - 255 (21 Mar 1996) Letters to Editor (from the Nature Archive: January 1987 - December 1996)

[Abstract](#) | [PDF](#)

**18. Functional screening of 2 Mb of human chromosome 21q22.2 in transgenic mice implicates minibrain in learning defects associated with Down syndrome**

Desmond J. Smith, Mary E. Stevens, Sharmila P. Sudanagunta, Roderick T. Bronson, Michael Makhinson, Ayako M. Watabe, Thomas J. O'Dell, Jingly Fung, Heinz-Ulrich G. Weier, Jan-Fan Cheng, Edward M. Rubin

**SUMMARY:** Using Down syndrome as a model for complex trait analysis, we sought to identify loci from chromosome 21q22.2 which, when present in an extra...

**CONTEXT:** ...n = 4, non-transgenic n = 5; age = 54.1  $\pm$  2.85 weeks (mean SEM)) were fixed by whole body perfusion through the left **ventricle** using Bourn's solution, sectioned and mounted for microscopic examination<sup>8</sup>. Vectabond-treated glass slides.....

*Nature Genetics* **16**, 28 - 36 (01 May 1997) Article

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**19. Interferon- $\gamma$  elicits arteriosclerosis in the absence of leukocytes**

George Tellides, Denis A. Tereb, Nancy C. Kirkiles-Smith, Richard W. Kim, Jean H. Wilson, Jeffrey S. Schechner, Marc I. Lorber, Jordan S. Pober

**SUMMARY:** Atherosclerosis and post-transplant graft arteriosclerosis are both characterized by expansion of the arterial intima as a result of the infiltration of mononuclear leukocytes, the...

**CONTEXT:** To test the hypothesis that IFN- directly elicits arteriosclerosis, we developed a xenotransplantation **model** to exploit the species specificity of this cytokine. Pig coronary arteries were interposed into the aorta of severe combined.....

*Nature* **403**, 207 - 211 (13 Jan 2000) Letters to Nature

[Abstract](#) | [Full Text](#) | [PDF](#)

**20. Bone marrow cells regenerate infarcted myocardium**

Donald Orlic, Jan Kajstura, Stefano Chimenti, Igor Jakoniuk, Stacie M. Anderson, Baosheng Li, James Pickel, Ronald McKay, Bernardo Nadal-Ginard, David M. Bodine, Annarosa Leri, Piero Anversa

**SUMMARY:** Myocardial infarction leads to loss of tissue and impairment of cardiac performance. The remaining myocytes are unable to reconstitute the necrotic tissue, and the...

**CONTEXT:** Injection of male Lin-c-kit<sup>POS</sup> bone marrow cells (see Supplementary Information) in the peri-infarcted left **ventricle** of female mice resulted in myocardial regeneration. Repair was obtained in 12 out of 30 mice (40%). Failure to.....

*Nature* **410**, 701 - 705 (05 Apr 2001) Letters to Nature

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## 21. A serine elastase inhibitor reduces inflammation and fibrosis and preserves cardiac function after experimentally-induced murine myocarditis

Jong K. Lee, Syed H. E. Zaidi, Peter Liu, Fayez Dawood, Alexander Y. L. Cheah, Wen-Hu Wen  
Yuriko Saiki, Marlene Rabinovitch

**SUMMARY:** In viral myocarditis, inflammation and destruction of cardiac myocytes leads to fibrosis, causing progressive impairment in cardiac function. Here we show the etiologic importance...

**CONTEXT:** ...proteins. Investigations in the murine **model** of encephalomyocarditis (EMC) have provided important insights into the mechanisms of human disease. Cell-mediated immunity was implicated in this **model** by the appearance of cytotoxic.....

*Nature Medicine* **4**, 1383 - 1391 (01 Dec 1998) Article

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## 22. Anti-tumoral action of cannabinoids: Involvement of sustained ceramide accumulation and extracellular signal-regulated kinase activation

Ismael Galve-Roperh, Cristina Sánchez, María Luisa Cortés, Teresa Gómez del Pulgar, Marta Izquierdo, Manuel Guzmán

**SUMMARY:**  $\Delta 9$ -Tetrahydrocannabinol, the main active component of marijuana, induces apoptosis of transformed neural cells in culture. Here, we show that intratumoral administration of  $\Delta 9$ -tetrahydrocannabinol and...

**CONTEXT:** ...transformed neural cells in culture, we evaluated the functionality of the system in vivo using an intracerebral tumor **model**. We used THC as well as WIN-55,212 2, a potent synthetic agonist of cannabinoid receptors that could be.....

*Nature Medicine* **6**, 313 - 319 (01 Mar 2000) Article

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### 23. A serine elastase inhibitor reduces inflammation and fibrosis and preserves cardiac function after experimentally-induced murine myocarditis

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**CONTEXT:** ...proteins. Investigations in the murine **model** of encephalomyocarditis (EMC) have provided important insights into the mechanisms of human disease. Cell-mediated immunity was implicated in this **model** by the appearance of cytotoxic.....

*Nature Medicine* **4**, 1383 - 1391 (01 Dec 1998) Article

PDF

## 24. Central nervous system gene therapy with interleukin-4 inhibits progression of ongoing relapsing–remitting autoimmune encephalomyelitis in Biozzi AB/H mice

R Furlan, P L Poliani, P C Marconi, A Bergami, F Ruffini, L Adorini, J C Glorioso, G Comi, G Martino

**SUMMARY:** Multiple sclerosis (MS) is an immune-mediated inflammatory disease of the central nervous system (CNS) that might benefit from anti-inflammatory therapies. However, systemic delivery of...

**CONTEXT:** ...on 5% acrylamide gel and intensity of the signals analyzed on Phosphorimager (Molecular Dynamics, Sunnyvale, CA, USA; **Image** Quant Software, Version 3.3), normalized against the intensity of GAPDH protected bands and expressed as.....

*Gene Therapy* **8**, 13 - 19 (29 Jan 2001) Original Article

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## 25. Endogenous nitric oxide mechanisms mediate the stretch dependence of $\text{Ca}^{2+}$ release in cardiomyocytes

Martín G. Vila Petroff, Suhn Hee Kim, Salvatore Pepe, Chantal Dessy, Eduardo Marbán, Jean-Luc alligand, Steven J. Sollott

**SUMMARY:** Stretching of cardiac muscle modulates contraction through the enhancement of the Ca<sup>2+</sup> transient, but how this occurs is still not known. We found that...

**CONTEXT:** ...of the 'slow Ca<sup>2+</sup> response' in both the trabecula **model** and the isolated cell **model**. Interestingly, the failure to block the augmentation of Ca<sup>2+</sup>-spark frequency by stretch in this **model** with either Gd<sup>3+</sup> (10 M) or venom from the.....

*Nature Cell Biology* **3**, 867 - 873 (01 Oct 2001) Article

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**26. MRI Analysis of the Cerebellum in Bipolar Disorder: A Pilot Study**

Melissa P DelBello, Stephen M Strakowski, Molly E Zimmerman, John M Hawkins, Kenji W Sa

**SUMMARY:** Since qualitative CT studies have suggested decreased cerebellar size in patients with bipolar disorder, we performed a quantitative analysis of the cerebellum in patients...

**CONTEXT:** ...Images were digitally transferred to a Macintosh workstation, where morphometric analyses were performed using Brain **Image** version 2.3.3, which has the capacity to display images simultaneously in three planes (coronal, sagittal,.....

*Neuropsychopharmacology* **21**, 63 - 68 (01 Jul 1999) Original Article

[Abstract](#) | [Full Text](#) | [PDF](#)

**27. BDNF gene transfer to the mammalian brain using CNS-derived neural precursors**

F J Rubio, Z Kokaia, A del Arco, M I García-Simón, E Y Snyder, O Lindvall, J Satrustegui, A Martínez-Serrano

**SUMMARY:** Neural stem cell lines represent a homogeneous source of cells for genetic, developmental, and gene transfer and repair studies in the nervous system. Since...

**CONTEXT:** Introduction Central nervous system (CNS)-derived progenitors and stem cell constitute a powerful **model** system for studying aspects related to stem cell biology and factors controlling the generation of differentiated progeny from.....

*Gene Therapy* **6**, 1851 - 1866 (02 Nov 1999) Original Article

[Abstract](#) | [Full Text](#) | [PDF](#)

**28. Antisense oligodeoxynucleotides to NMDA-R1 receptor channel protect cortical neurons from excitotoxicity and reduce focal ischaemic infarctions**

C. Wahlestedt, E. Golanov, S. Yamamoto, F. Yee, H. Ericson, H. Yoo, C. E. Inturrisi, D. J. Reis

**SUMMARY:** THE excitatory amino acid, L-glutamate, acting through its N-methyl-D-aspartate (NMDA) receptor, may contribute to neuronal death following cerebral vascular occlusion 1-3. In support of...

**CONTEXT:** ...see ref. 14) were anaesthetized with halothane (1.8-2.5%), and indwelling cannulas were inserted into the lateral **ventricle** aseptically and the wounds closed. After recovery, an antisense ODN, NMDARIAS/c, or the corresponding sense.....

*Nature* **363**, 260 - 263 (20 May 1993) Letters to Editor (from the Nature Archive: January 1987 - December 1996)

[Abstract](#) | [PDF](#)

**29. Combined transductional and transcriptional targeting improves the specificity of transgene expression in vivo**

Paul N. Reynolds, Stuart A. Nicklin, Lioudmila Kaliberova, Brian G. Boatman, William E. Grizzle, Irina V. Balyasnikova, Andrew H. Baker, Sergei M. Danilov, David T. Curiel

**SUMMARY:** The promise of gene therapy for health care will not be realized until gene delivery systems are capable of achieving efficient, cell-specific gene delivery...

**CONTEXT:** ...evidence of increased extramedullary hematopoiesis. These changes are consistent with our previous findings in this **model**, and importantly showed no significant inflammation in the pulmonary target site, at least at the time point.....

*Nature Biotechnology* **19**, 838 - 842 (01 Sep 2001) Research

[Abstract](#) | [Full Text](#) | [PDF](#)

**30. BAC-mediated gene-dosage analysis reveals a role for Zfp1 (Ru49/Zfp38) in progenitor cell proliferation in cerebellum and skin**

Xiangdong W. Yang, Christopher Wynder, Martin L. Doughty, Nathaniel Heintz

**SUMMARY:** Genetic analysis in mice has most commonly employed two general strategies: phenotypic screens for spontaneous or induced mutations and genotypic analysis using homologous recombination...

**CONTEXT:** ...that the Sonic hedgehog (Shh) pathway participates in post-natal granule cell proliferation in vivo, supporting a **model** of local control of granule cell proliferation in response to Purkinje cell production of this mitogen. The.....

*Nature Genetics* **22**, 327 - 335 (01 Aug 1999) Article

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**31. Complete reversal of fatal pulmonary hypertension in rats by a serine elastase inhibitor**

Kyle Northcote Cowan, Adrian Heilbut, Tilman Humpl, Catherine Lam, Shinya Ito, Marlene Rabinovitch

**SUMMARY:** Progression of pulmonary hypertension is associated with increased serine elastase activity and the proteinase-dependent deposition of the extracellular matrix smooth muscle cell survival factor...

**CONTEXT:** ...in right ventricular pressure, and future long-term studies will be necessary to confirm that this also occurs in our **model**. We next confirmed that the mechanism causing reversal of progressive pulmonary hypertension and arrest of.....

*Nature Medicine* **6**, 698 - 702 (01 Jun 2000) Article

[Abstract](#) | [Full Text](#) | [PDF](#)

**32. Gene therapy of experimental brain tumors using neural progenitor cells**

Sara Benedetti, Barbara Pirola, Bianca Pollo, Lorenzo Magrassi, Maria Grazia Bruzzone, Dorotea Rigamonti, Rossella Galli, Silvia Selleri, Francesco Di Meco, Claudio De Fraja, Angelo Vescovi, Elena Cattaneo, Gaetano Finocchiaro

**SUMMARY:** Glioblastomas, the most frequent and malignant of primary brain tumors, have a very poor prognosis. Gene therapy of glioblastomas is limited by the short...

**CONTEXT:** ...efficacy of this form of therapy. We also evaluated the therapeutic potential of this approach in a different **model**. We derived neural progenitor cells from the striatum of Sprague-Dawley rats and immortalized these cells with a.....

*Nature Medicine* **6**, 447 - 450 (01 Apr 2000) Article

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**33. Activation of cAMP-PKA signaling in vivo inhibits smooth muscle cell proliferation induced by vascular injury**

Ciro Indolfi, Enrico Vittorio Avvedimento, Emilio Di Lorenzo, Giovanni Esposito, Antonio Rapacciuolo, Paola Giuliano, Domenico Grieco, Luigi Cavuto, Angela M. Stingone, Ilaria Ciullo, Gianluigi Condorelli, Massimo Chiariello

**SUMMARY:** Injury of the arterial wall induces the formation of the neointima. This structure is generated by the growth of mitogenically activated smooth muscle cells...

**CONTEXT:** ...could inhibit smooth muscle cell proliferation in vivo. The balloon catheter-injured artery has become the standard **model** for studying smooth muscle cell proliferation in vivo. This system has been extensively used to.....

*Nature Medicine* **3**, 775 - 779 (01 Jul 1997) Article

[PDF](#)

**34. Thrombospondin-1 suppresses wound healing and granulation tissue formation in the skin of transgenic mice**

Michael Streit, Paula Velasco, Lucia Riccardi, Lisa Spencer, Lawrence F. Brown, Lauren Janes, Bernhard Lange-Asschenfeldt, Kiichiro Yano, Thomas Hawighorst, Luisa Iruela-Arispe, Michael Detmar

**SUMMARY:** The function of the endogenous angiogenesis inhibitor thrombospondin-1 (TSP-1) in tissue repair has remained controversial. We established transgenic mice with targeted overexpression of TSP-1...

**CONTEXT:** ...further the physiological role of TSP-1 for vascular development and function, we established a transgenic mouse **model** for the targeted overexpression of TSP-1 in the basal epidermis of the skin and in the outer root sheath.....

*The EMBO Journal* **19**, 3272 - 3282 (03 Jul 2000) Article

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**35. Selegiline Effects on Cocaine-Induced Changes in Medial Temporal Lobe Metabolism and Subjective Ratings of Euphoria**

George Bartzokis, Mace Beckson, Thomas Newton, Mark Mandelkern, Jim Mintz, Jennifer A. Foster, Walter Ling, T Peter Bridge

**SUMMARY:** To test the effect of selegiline, a specific monoamine oxidase-B (MAO-B) inhibitor, on the cerebral metabolic and euphorogenic effects of cocaine in experienced



users,...

**CONTEXT:** ...HIV test or positive pregnancy test (for females); magnetic resonance imaging (MRI) evidence of extensive atrophy (**ventricle**/brain ratio > 1:10). Study Protocol Subjects meeting the above criteria were hospitalized 4 days before.....

*Neuropsychopharmacology* **20**, 582 - 590 (01 Jun 1999) Original Article

[Abstract](#) | [Full Text](#) | [PDF](#)

**36. d,l-fenfluramine Response in Impulsive Personality Disorder Assessed with [18F] fluorodeoxyglucose Positron Emission Tomography**

Larry J Siever, Monte S Buchsbaum, Antonia S New, Jacqueline Spiegel-Cohen, Tsechung Wei, Erin A Hazlett, Elizabeth Sevin, Melissa Nunn, Vivian Mitropoulou

**SUMMARY:** Reduced serotonergic activity has been associated with impulsive aggression in personality disordered patients in metabolite and pharmacologic challenge studies. This study used positron emission...

**CONTEXT:** ...Procedures PET scans were obtained as described elsewhere (Haznedar et al. 1997) with a head-dedicated scanner (**model** 2048, GE Medical Systems, Milwaukee, WI) with measured resolution of 4.5 mm in plane (4.2-4.5 mm across 15 planes).....

*Neuropsychopharmacology* **20**, 413 - 423 (01 May 1999) Original Article

[Abstract](#) | [Full Text](#) | [PDF](#)

**37. Localized adenovirus gene delivery using antiviral IgG complexation**

R J Levy, C Song, S Tallapragada, S DeFelice, J Travis Hinson, N Vyavahare, J Connolly, K Ryan, Q Li

**SUMMARY:** Gene therapy with viral vectors has progressed to clinical trials. However, the localization of viral vector delivery to diseased target sites remains a challenge....

**CONTEXT:** ...in the death of virtually all cells in these cultures (Figure 4b). Adenoviral vector delivery to porcine right **ventricle** was investigated, comparing injection of the anti-hexon-adenovirus collagen gel with direct injection of the.....

*Gene Therapy* **8**, 659 - 667 (08 May 2001) Original Article

[Abstract](#) | [Full Text](#) | [PDF](#)

**38. Decoy against nuclear factor-kappa B attenuates myocardial cell infiltration and arterial neointimal formation in murine cardiac allografts**

J Suzuki, R Morishita, J Amano, Y Kaneda, M Isobe

**SUMMARY:** Acute rejection and graft arteriopathy in cardiac transplantation limit the long-term survival of recipients; these processes are enhanced by several cytokines and adhesion molecules....

**CONTEXT:** ...and in vivo administration of NFB decoy reduces monocyte infiltration and VCAM-1 expression in a rat renal transplant **model**.26 Therefore, NFB is one of the key regulators promoting acute rejection; the decoy strategy against NFB may.....

*Gene Therapy* **7**, 1847 - 1852 (03 Nov 2000) Original Article

[Abstract](#) | [Full Text](#) | [PDF](#)

**39. Inhibition of cellular ras prevents smooth muscle cell proliferation after vascular injury in vivo**

Ciro Indolfi, Enrico V. Avvedimento, Antonio Rapacciuolo, Emilio Di Lorenzo, Giovanni Esposito, Eugenio Stabile, Antonio Feliciello, Evelina Mele, Paola Giuliano, GianLuigi Condorelli, Massimo Chiariello

**SUMMARY:** Proliferation of smooth muscle cells of the arterial wall in response to local injury is an important aetiological factor of vascular proliferative disorders such...

**CONTEXT:** ...cells in our **model** was demonstrated using lacZ as a reporter gene. Smooth muscle cells expressed lacZ two days after the gel application, demonstrating a successful transfection. In the present study we used a rat **model** to study the.....

*Nature Medicine* **1**, 541 - 545 (01 Jun 1995) Article

[PDF](#)

**40. 14-3-3 proteins block apoptosis and differentially regulate MAPK cascades**

Heming Xing, Shaosong Zhang, Carla Weinheimer, Attila Kovacs, Anthony J. Muslin

**SUMMARY:** 14-3-3 family members are dimeric phosphoserine-binding proteins that participate in signal transduction and checkpoint control pathways. In this work, dominant-negative mutant forms of 14-3-3...

**CONTEXT:** ...of a dominant-negative form of 14-3-3 to the heart To determine whether disruption of 14-3-3 function in an intact **model** system could also promote apoptosis, we generated transgenic mice with a construct that contained the -myosin.....

*The EMBO Journal* **19**, 349 - 358 (01 Feb 2000) Article

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### 41. Identification of a mammalian H<sup>+</sup>-myo-inositol symporter expressed predominantly in the brain

Marc Uldry, Mark Ibberson, Jean-Daniel Horisberger, Jean-Yves Chatton, Beat M. Riederer, Bernard Thorens

**SUMMARY:** Inositol and its phosphorylated derivatives play a major role in brain function either as osmolytes, second messengers or regulators of vesicle endo- and exocytosis....

**CONTEXT:** ...a 535 nm bandwidth interference filter. Fluorescence excitation ratios (F48 nm/F455 nm) were computed for each **image** pixel and produced ratio images of cells that were proportional to pHi. In situ calibration was performed after.....

*The EMBO Journal* **20**, 4467 - 4477 (15 Aug 2001) Article

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